QC-ABSTRACT

Name of Work-Development of Yelahanka Govt Degree collage and Ayurvedic Hospital and Providing Grill Fencing and other developmental works to Rajiv Gandhi park, tree park, Nethaji park, Basaveshwara park, judicial layout park and someshwara hill of Yelahanka Assembly Constituency Under Amrutha Nagarothana Grants PACKAGE No-01

Sl No.	Item	Quantity As Per BOQ	Required No's of tests	Actual No's of tests	Tests
1	PCC 1:4:8	21.93 Cum	1	1	Cement
					Sand, Aggregates
2	Steel	2.43 Tonne	1	1	-
3	M25	29.18 Cum	3	5	Concrete Cube Compressive Strength
4	M10	29.22 Cum	3	3	Concrete Cube Compressive Strength
5	M30	88.15 Cum	5	5	Concrete Cube Compressive Strength
6	Kerb	228.33 Nos	1	1	Compressive strength
7	Bricks	-	1	1	-
8	Railings	1854.90 Sqm	1	1	-
9	DLC	88.15 Cum	1	1	-
10	Blocks	31.92 Sqm	1	1	Compressive strength
11	Ceramic Tiles	1.39 Sqm	1	1	-

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12	WMM	98.40 Cum	-	-	-
	Gradation	-	1	1	-
	AIV	-	1	1	-
	Shape test	-	1	1	-
	Atterberg Test	-	1	1	-

Cubes	0-5 m^3	1set
	6-15 m^3	2set
	16-30 m^3	3set
	31-50 m^3	4 set
	Add 1set for every 50 Cum	

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NO: YEL-P/PMC/PKG-01/WMM(AIV) Date: 09/11/2022

1. Test report on Aggregate Impact Value

Name of Work :- Development of Yelahanka Govt Degree collage and Ayurvedic Hospital and Providing Grill Fencing and other developmental works to Rajiv Gandhi park, tree park, Nethaji park, Basaveshwara park, judicial layout park and someshwara hill of Yelahanka Assembly Constituency Under Amrutha Nagarothana Grants PACKAGE No-01.

Ref: Material Testing/PMC/22-23.

Report submitted to: Assistant Executive Engineer, Yelahanka Projects Division, BBMP Bangalore.

Name of Agency/ contractor: Sri C Halappa.

IS Code: IS 2386 (Part 4):1963(RA 2011)

Sl No.	Details	Test No.		Average
		1	2	
1	Total weight of aggregate sample filling the cylindrical measure = W_1 g	382	384	
2	Weight of agregate passing 2.36 mm sieve after the test = W_2 g	85	87	
3	Weight of aggregate retained 2.36 mm sieve after the test = W_3 g	297	297	
4	Aggregate Impact value = percent fines 100* (W_2/W_1)%	22.25	22.66	**22.45**

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NO: YEL-P/PMC/PKG-01/WMM(ATTERBERG LIMITS) Date: 09/11/2022

1. Test report on Atterberg Limits

Name of Work :- Development of Yelahanka Govt Degree collage and Ayurvedic Hospital and Providing Grill Fencing and other developmental works to Rajiv Gandhi park, tree park, Nethaji park, Basaveshwara park, judicial layout park and someshwara hill of Yelahanka Assembly Constituency Under Amrutha Nagarothana Grants PACKAGE No-01.

Ref: Material Testing/PMC/22-23.

Report submitted to: Assistant Executive Engineer, Yelahanka Projects Division, BBMP Bangalore.

Name of Agency/ contractor: Sri C Halappa.

IS Code::: IS 2720(Part 5):1985

Sl. No.	Particulars	Test Results	Requirement as per MORTH 5th edition Cl.406.2.1.2
1	Liquid Limit	24.00	-
2	Plasticity Index, %	Non Plastic	6.0% Maximum.

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NO: YEL-P/PMC/PKG-01/WMM(GRADATION) Date: 09/11/2022

1. Test report on Gradation

Name of Work :- Development of Yelahanka Govt Degree collage and Ayurvedic Hospital and Providing Grill Fencing and other developmental works to Rajiv Gandhi park, tree park, Nethaji park, Basaveshwara park, judicial layout park and someshwara hill of Yelahanka Assembly Constituency Under Amrutha Nagarothana Grants PACKAGE No-01.

Ref: Material Testing/PMC/22-23.

Report submitted to: Assistant Executive Engineer, Yelahanka Projects Division, BBMP Bangalore.

Name of Agency/ contractor: Sri C Halappa.

IS Code::: IS 2386 (Part 1):1963(RA 2011))

Oven Dry.Wt, grams 10000

Is Sieve Size in mm	Weight Retained (gm)	Cumulative Weight Retained (gm)	Cumulative % of Retained	Cumulative % of Passing	Requirement as per MORTH 5th edition table no 400.13
53	0	0	0	100	100
45	203	203	2.0	98.0	95-100
22.4	2698	2901	29.0	71.0	60-80
11.2	2547	5448	54.5	45.5	40-60
4.75	1425	6873	68.7	31.3	25-40
2.36	1326	8199	82.0	18.0	15-30
0.600	547	8746	87.5	12.5	8-22
0.075	958	9704	97.0	3.0	0-5

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NEW TECHNOLOGIES TO INNOVATE

NO: YEL-P/PMC/PKG-01/WMM(SHAPE TEST) Date: 09/11/2022

1. Test report on Shape Test

Name of Work :- Development of Yelahanka Govt Degree collage and Ayurvedic Hospital and Providing Grill Fencing and other developmental works to Rajiv Gandhi park, tree park, Nethaji park, Basaveshwara park, judicial layout park and someshwara hill of Yelahanka Assembly Constituency Under Amrutha Nagarothana Grants PACKAGE No-01.

Ref: Material Testing/PMC/22-23.

Report submitted to: Assistant Executive Engineer, Yelahanka Projects Division, BBMP Bangalore.

Name of Agency/ contractor: Sri C Halappa.

BIS code:: IS 2386(Part 1) 1963 (RA 2011)

Sl no	Test	1	2	Requirements as per MORTH 5th edition table no 400.12
1	Flakiness Index %	12.8	10.2	Combined Flakiness & Elongation index Max 35%
2	Elongation Index %	11.6	14.1	
	Combined Flakiness & Elongation index	24.40	24.3	

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NEW TECHNOLOGIES TO INNOVATE

NO: YEL-P/PMC/PKG-01/Block400*200*200 Date: 09.11.2022

1. Test report on CC Block400*200*200

Name of Work :- Development of Yelahanka Govt Degree collage and Ayurvedic Hospital and Providing Grill Fencing and other developmental works to Rajiv Gandhi park, tree park, Nethaji park, Basaveshwara park, judicial layout park and someshwara hill of Yelahanka Assembly Constituency Under Amrutha Nagarothana Grants PACKAGE No-01.

Ref: Material Testing/PMC/22-23.

Report submitted to: Assistant Executive Engineer, Yelahanka Projects Division, BBMP Bangalore.

Name of Agency/ contractor: Sri C Halappa.

Technical Reference: IS: 2185 (Part 1) - 2005

Sl.No.	Block ID	Wt. in Kg	Failure load (KN)	Compressive strength (N/mm^2)	Block Density in Kg/M^3	Requirement as per IS 2185 (Part 1) - 2005
1	Block 1	33.6	352.9	4.41	2100.00	Minimum required Compressive Strength of Individual Units 4.00N/mm^2
2	Block 2	32.8	350.6	4.38	2050.00	
3	Block 3	34.5	349.5	4.37	2156.25	
4	Block 4	31.9	346.0	4.33	1993.75	

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NO: YEL-P/PMC/PKG-1/BRICK Date: 10.11.2022 to 15.11.2022

1. TEST REPORTS ON PHYSICAL REQUIREMENTS OF BRICKS

Name of Work :- Development of Yelahanka Govt Degree collage and Ayurvedic Hospital and Providing Grill Fencing and other developmental works to Rajiv Gandhi park, tree park, Nethaji park, Basaveshwara park, judicial layout park and someshwara hill of Yelahanka Assembly Constituency Under Amrutha Nagarothana Grants PACKAGE No-01.

Ref: Material Testing/PMC/22-23.

Report submitted to: Assistant Executive Engineer, Yelahanka Projects Division, BBMP Bangalore.

Name of Agency/ contractor: Sri C Halappa

BIS codes: IS 1077 : 1992(RA 2011) Common Burnt Clay Building Bricks-Specification

COMPRESSIVE STRENGTH

Sl.No.	Compressive strength of individual bricks (N/mm2)	Acceptability as per IS 1077:1992, Clause 7.1
1	3.6	The bricks shall have a minimum average compressive strength for various classes as given in Table 1 of IS 1077: 1992. The compressive strength of any individual bricks shall not fall below the minimum compressive strength specified for the corresponding class of brick by more than 15%.
2	3.8	
3	3.7	
4	3.9	
5	4.1	
Average of 5 bricks	3.8	

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WATER ABSORPTION:

Sl.No.	Water Absorption(%)	Acceptability as per IS 1077:1992, Clause 7.2
1	10.2	The water Absorption of bricks shall not be more than 20% by weight upto class 12.5 and 15% by weight for higher classes.
2	10.6	
3	10.1	
4	10.8	
5	10.9	
Average of 5 bricks	**10.5**	

EFFLORESCENCE:

Sl.No.	Efflorescence	Acceptability as per IS 1077:1992, Clause 7.3
1	Moderate	The efflorescence shall not be more than 'moderate" upto class 12.5 and "slight" for higher classes.
2	Moderate	
3	Moderate	
4	Moderate	
5	Moderate	

DIMENSIONS AND TOLERANCES

Sl.No.	Dimensions obtained for 20 bricks(mm)		Acceptability as per IS 1077:1992, Clause 6.2(b)
1	Length	4575	4520 to 4680 mm
2	Width	2195	2160 to 2240 mm
3	Height	1415	1360 to 1440 mm

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NO: YEL-P/PMC/PKG-01/Cement Date: 07.112022 to 09/11/2022

1. Test report on cement Concrete Cubes:

Sub: Testing of 53 Grade Cement Sample Pertaining to IS: 12269-1987

Name of Work :- Development of Yelahanka Govt Degree collage and Ayurvedic Hospital and Providing Grill Fencing and other developmental works to Rajiv Gandhi park, tree park, Nethaji park, Basaveshwara park, judicial layout park and someshwara hill of Yelahanka Assembly Constituency Under Amrutha Nagarothana Grants PACKAGE No-01.

Ref: Material Testing/PMC/22-23.

Report submitted to: Assistant Executive Engineer, Yelahanka Projects Division, BBMP Bangalore.

Name of Agency/ contractor: Sri C Halappa

PHYSICAL TESTS ON CEMENT

Grade Of Cement: 53, OPC

Table 1.1

SL No	Name of Tests	Result	As Per IS Requirements (IS 8112-1989)
1.	Initial Setting Time	165 Min	Shall Not be less than 30 Min
2.	Final Setting Time	280 Min	Shall Not be More than 600 Min
3.	Fineness (by dry sieve on IS 90 micron Seieve)	2.45 %	Not to Exceed 10.0 %
4.	Soundness Test by Lee-Chatelier's Method	3.50 mm	Shall not be more than 10 mm
5.	Compressive strength (3 days on average of 3 results	28.00 N/Sqmm	Shall not be less than 27 N /Sq mm

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NO: YEL-P/PMC/PKG-01/Ceramic Tiles Date: 16.11.2022 to 21.11.2022

1. Test report on Steel

Name of Work :- Development of Yelahanka Govt Degree collage and Ayurvedic Hospital and Providing Grill Fencing and other developmental works to Rajiv Gandhi park, tree park, Nethaji park, Basaveshwara park, judicial layout park and someshwara hill of Yelahanka Assembly Constituency Under Amrutha Nagarothana Grants PACKAGE No-01.

Ref: Material Testing/PMC/22-23.

Report submitted to: Assistant Executive Engineer, Yelahanka Projects Division, BBMP Bangalore.

Name of Agency/ contractor: Sri C Halappa.

Technical Reference: IS: 13630 - 2006 - Method of Testing Ceramic Tiles
IS 15622 - 2006 - Specification of Ceramic Tiles

I. MODULUS OF RUPTURE

Sl. No.	Measured Dimension (mm)	Modulus of Rupture (N/mm^2)	Average (N/mm^2)	Requirement as per IS: 15622 (Reaffirmed 2006)
1	300x300x5.2	46.2	47.56	Average 47, indivisual minimum 44 N/mm^2
2	300x300x5.3	47.1		
3	300x300x5.5	48.9		
4	300x300x5.6	47.5		
5	300x300x5.4	48.1		

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II. CHEMICAL RESISTANCE

Sl. No.	Measured Dimension (mm)	Visual observations	Requirement as per IS: 15622 (Reaffirmed 2006)
1	300x300x5.2	No visible effect	Class AA, min (13630 Part 8)
2	300x300x5.3	No visible effect	
3	300x300x5.5	No visible effect	
4	300x300x5.6	No visible effect	
5	300x300x5.4	No visible effect	

III. STAIN RESISTANCE

Sl. No.	Measured Dimension (mm)	Visual observations	Requirement as per IS: 15622 (Reaffirmed 2006)
1	300x300x5.2	Stain Removed by Water	Class 1, min (13630 Part 8)
2	300x300x5.3	Stain Removed by Water	
3	300x300x5.5	Stain Removed by Water	
4	300x300x5.6	Stain Removed by Water	
5	300x300x5.4	Stain Removed by Water	

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NO: YEL-P/PMC/PKG-01/Cou Agg Date: 09/11/2022

TEST REPORT ON COURSE AGGREGATES
(GRADATION TEST)

Sub: To conduct tests on Course Aggrigates (Grade-V) mix.

Name of Work :- Development of Yelahanka Govt Degree collage and Ayurvedic Hospital and Providing Grill Fencing and other developmental works to Rajiv Gandhi park, tree park, Nethaji park, Basaveshwara park, judicial layout park and someshwara hill of Yelahanka Assembly Constituency Under Amrutha Nagarothana Grants PACKAGE No-01.

Ref: Material Testing/PMC/22-23.

Report submitted to: Assistant Executive Engineer, Yelahanka Projects Division, BBMP Bangalore.

Name of Agency/ contractor: Sri C Halappa.

TEST RESULTS

1. Gradation Test:

TABLE 1.1

Sieve Size mm	Percent by Weight passing the Sieve from the sample supplied (Obtained Gradation)	Specified Limits as per MoRTH Specifications, V Revision-2013
53.00	**100.00**	100
45.00	**96.25**	95-100
26.50	**---**	-
22.40	**70.80**	60-80
11.20	**50.65**	40-60
4.75	**34.22**	25-40
2.36	**25.50**	15-30
0.600	**19.74**	8-22
0.075	**4.80**	0-5

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Date: 13/09/2022

TABLE 1.2

SL No	Test conducted	Test Results	Tests Conforms to IS 2386(Part I to IV)–1963 (Reaffirmed on 2002) & Requirements as per IS:383-1970 & M.o.R.T.H Specification, V Revision -2013.
1.	Aggregate Impact Value	**26.75 %**	Not more than 30.00 %
2.	Combined Flakiness and Elongation index, %	**24.50 %**	Not more than 35.0 %
3.	Water absorption, %	**0.50 %**	Not more than 2.0 %
4.	Plasticity Index, %	**NP**	Not more than 6.0 %

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NO: YEL-P/PMC/PKG-1/DLC Date: 06.12.2022

1. TEST REPORTS ON GRADATION FOR DRY LEAN CONCRETE

Name of Work :- Development of Yelahanka Govt Degree collage and Ayurvedic Hospital and Providing Grill Fencing and other developmental works to Rajiv Gandhi park, tree park, Nethaji park, Basaveshwara park, judicial layout park and someshwara hill of Yelahanka Assembly Constituency Under Amrutha Nagarothana Grants PACKAGE No-01.

Ref: Material Testing/PMC/22-23.

Report submitted to: Assistant Executive Engineer, Yelahanka Projects Division, BBMP Bangalore.

Name of Agency/ contractor: Sri C Halappa

MORTH TABLE-600-1

Oven Dry Wt (gm): **10000**

Is Sieve Size in mm	Weight Retained (gm)	Cumulative Weight Retained (gm)	Cumulative % of Retained	Cumulative % of Passing	Spec.Limits
26.5	0	0	0	100	100
19	952	952	9.5	90.5	75-95
9.5	2234	3186	31.9	68.1	50-70
4.75	1462	4648	46.5	53.5	30-55
2.36	3376	8024	80.2	19.8	17-42
0.6	821	8845	88.5	11.6	8-22
0.3	154	8999	90.0	10.0	7-17
0.15	189	9188	91.9	8.1	2-12
0.075	541	9729	97.3	2.7	0-10

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NO: YEL-P/PMC/PKG-01/Fine Agg

Date: 09/11/2022

1. Test report on Fine Aggregates:

Sub: Testing of Fine Aggregates Sample Pertaining to IS: 383-1970 (Reaffirmed 2002).

Name of Work :- Development of Yelahanka Govt Degree collage and Ayurvedic Hospital and Providing Grill Fencing and other developmental works to Rajiv Gandhi park, tree park, Nethaji park, Basaveshwara park, judicial layout park and someshwara hill of Yelahanka Assembly Constituency Under Amrutha Nagarothana Grants PACKAGE No-01.

Ref: Material Testing/PMC/22-23.

Report submitted to: Assistant Executive Engineer, Yelahanka Projects Division, BBMP Bangalore.

Name of Agency/ contractor: Sri C Halappa

SIEVE ANALYSIS

Table 1.1

IS Sieve Size, mm	% Passing	IS: 383-1970 (Reaffirmed 2002). Percentage Passing			Result/ Remarks
		Zone I	Zone II	Zone III	
4.75mm	92.35	90-100	90-100	90-100	The Sample Conforms Grade II
2.36mm	90.60	60-95	75-100	85-100	
1.18 mm	65.92	30-70	55-90	75-100	
600 micr.	52.85	15.34	35-59	60-79	
300 mic.	24.80	5-20	8-30	12-40	
150 mic.	6.60	0-10	0-10	0-10	

SL No	Name of Tests	Sample	Result	Requirements as per IS: 383-1970 (Reaffirmed 2002).
1.	Bulking Of Sand	01	18.45 %	NA
2.	Silt Content	-	.60%	Not more than 8%
3.	Specific Gravity	-	2.65	--

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NEW TECHNOLOGIES TO INNOVATE

NO: YEL-P/PMC/PKG-01/KERB

Date: 23/11/2022

KerbStone (Core Cutting Method) Test Report

Sub: Testing of concrete Kerb Stones (Core Cutting Method) - Compressive Strength)

Name of Work :- Development of Yelahanka Govt Degree collage and Ayurvedic Hospital and Providing Grill Fencing and other developmental works to Rajiv Gandhi park, tree park, Nethaji park, Basaveshwara park, judicial layout park and someshwara hill of Yelahanka Assembly Constituency Under Amrutha Nagarothana Grants PACKAGE No-01.

Ref: Material Testing/PMC/22-23.

Report submitted to: Assistant Executive Engineer, Yelahanka Projects Division, BBMP·Bangalore.

Name of Agency/ contractor: Sri C Halappa

RESULTS OF COMPRESSIVE STRENGHT OF CONCRETE CORE

CORE SPECIMENS

Grade Of concrete: **M20**
Technical Ref:. IS.516-1959 (Reaffirmed), Sp 24-1983.

Table 1.1

Dia of Specimens: 50 mm =D

SL No	Height of core (H)mm	Weight of Core (KG)	Dencity of core (KG/m3)	H/D	Correction factor of H/D	Load KN	Compressive Strength - N/mm2	Correction Factor for dia (Strength x1.08)	Corrected Compressive Strength	Equavenent Cube Compressive Strengtn
1.	102.00	0.465	2321.79	2.04	1.004	32.30	16.45	17.77	17.84	22.30
2.	106.00	0.489	2349.49	2.12	1.013	33.60	17.11	18.48	18.72	23.40
3.	110.00	0.512	2370.54	2.20	1.022	34.80	17.72	19.14	19.55	24.44

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NO: YEL-P/PMC/PKG-01/KERB

Date: 23/11/2022

Kerb Stone (Rebound Hammer Method) Test Report

Sub. Testing of concrete Kerb Stones (Rebound Hammer Method) - Compressive Strength) IS: **13311 (Part - 2)-1992**

Name of Work :- Development of Yelahanka Govt Degree collage and Ayurvedic Hospital and Providing Grill Fencing and other developmental works to Rajiv Gandhi park, tree park, Nethaji park, Basaveshwara park, judicial layout park and someshwara hill of Yelahanka Assembly Constituency Under Amrutha Nagarothana Grants PACKAGE No-01.

Ref: Material Testing/PMC/22-23.

Report submitted to: Assistant Executive Engineer, Yelahanka Projects Division, BBMP Bangalore.

Name of Agency/ contractor: Sri C Halappa.

RESULTS OF COMPRESSIVE STRENGHT OF CONCRETE CORE

CORE SPECIMENS

Grade Of concrete: **M20**

Technical Ref IS: **13311 (Part - 2)-1992**

Table 1.1

SL No	Sample Number	Strength in KN	Remarks
1.	Random Sampling	22.30	
2.	Random Sampling	23.40	
3.	Random Sampling	24.44	

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NEW TECHNOLOGIES TO INNOVATE

NO: YEL-P/PMC/PKG-01/M10

Date: 23/11/2022

Test report on cement Concrete Cubes:

Sub: Testing of concrete cubes (for below said no of days – Compressive Strength)

Name of Work :- Development of Yelahanka Govt Degree collage and Ayurvedic Hospital and Providing Grill Fencing and other developmental works to Rajiv Gandhi park, tree park, Nethaji park, Basaveshwara park, judicial layout park and someshwara hill of Yelahanka Assembly Constituency Under Amrutha Nagarothana Grants PACKAGE No 01

Ref: Material Testing/PMC/22-23.

Report submitted to: Assistant Executive Engineer, Yelahanka Projects Division, BBMP Bangalore.

Name of Agency/ contractor: Sri C Halappa

RESULTS OF COMPRESSIVE STRENGHT OF CONCRETE CUBES

CUBE SPECIMENS

Dimentions of Specimens: 150x150x150mm

Grade Of concrete: **M10**

Table1.1

Sl No	Location	Date Of Casting	Date Of Testing	Weight Of Cubes	Age in days	Load (KN)	Compressive Strength N/mm2	Average Strength N/mm2
1	Nethagi Park	16-11-22	23-11-22	8.021	7	194.0	8.62	8.29
2		"	"	8.169	"	180.0	8.00	
3		"	"	8.069	"	186.0	8.27	

Asst. Executive Engineer
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NEW TECHNOLOGIES TO INNOVATE

NO: YEL-P/PMC/PKG-01/M10 Date: 14/12/2022

Test report on cement Concrete Cubes:

Sub: Testing of concrete cubes (for below said no of days – Compressive Strength)

Name of Work :- Development of Yelahanka Govt Degree collage and Ayurvedic Hospital and Providing Grill Fencing and other developmental works to Rajiv Gandhi park, tree park, Nethaji park, Basaveshwara park, judicial layout park and someshwara hill of Yelahanka Assembly Constituency Under Amrutha Nagarothana Grants PACKAGE No-01

Ref: Material Testing/PMC/22-23.

Report submitted to: Assistant Executive Engineer, Yelahanka Projects Division, BBMP Bangalore.

Name of Agency/ contractor: Sri C Halappa

RESULTS OF COMPRESSIVE STRENGHT OF CONCRETE CUBES

CUBE SPECIMENS

Dimentions of Specimens: 150x150x150mm

Grade Of concrete: **M10**

Table1.1

Sl No	Location	Date Of Casting	Date Of Testing	Weight Of Cubes	Age in days	Load (KN)	Compressive Strength N/mm2	Average Strength N/mm2
1	Nethagi Park	16-11-22	14-12-22	8.154	28	255.2	11.34	11.83
2		"	"	8.032	"	268.9	11.95	
3		"	"	8.069	"	274.2	12.19	

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For Newzen Consultants Bangalore

Proprietor

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NO: YEL-P/PMC/PKG-01/M10 Date: 23/11/2022

Test report on cement Concrete Cubes:

Sub: Testing of concrete cubes (for below said no of days – Compressive Strength)

Name of Work :- Development of Yelahanka Govt Degree collage and Ayurvedic Hospital and Providing Grill Fencing and other developmental works to Rajiv Gandhi park, tree park, Nethaji park, Basaveshwara park, judicial layout park and someshwara hill of Yelahanka Assembly Constituency Under Amrutha Nagarothana Grants PACKAGE No-01

Ref: Material Testing/PMC/22-23.

Report submitted to: Assistant Executive Engineer, Yelahanka Projects Division, BBMP Bangalore.

Name of Agency/ contractor: Sri C Halappa

RESULTS OF COMPRESSIVE STRENGHT OF CONCRETE CUBES

CUBE SPECIMENS

Dimentions of Specimens: 150x150x150mm

Grade Of concrete: **M10**

Table1.1

Sl No	Location	Date Of Casting	Date Of Testing	Weight Of Cubes	Age in days	Load (KN)	Compressive Strength N/mm2	Average Strength N/mm2
1	Nethagi Park	16-11-22	23-11-22	8.062	7	188.9	8.40	8.66
2		"	"	8.121	"	194.7	8.65	
3		"	"	8.069	"	201.0	8.93	

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For Newzen Consultants Bangalore

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NEW TECHNOLOGIES TO INNOVATE

NO: YEL-P/PMC/PKG-01/M10

Date: 14/12/2022

Test report on cement Concrete Cubes:

Sub: Testing of concrete cubes (for below said no of days – Compressive Strength)

Name of Work :- Development of Yelahanka Govt Degree collage and Ayurvedic Hospital and Providing Grill Fencing and other developmental works to Rajiv Gandhi park, tree park, Nethaji park, Basaveshwara park, judicial layout park and someshwara hill of Yelahanka Assembly Constituency Under Amrutha Nagarothana Grants PACKAGE No 01

Ref: Material Testing/PMC/22-23.

Report submitted to: Assistant Executive Engineer, Yelahanka Projects Division, BBMP Bangalore.

Name of Agency/ contractor: Sri C Halappa

RESULTS OF COMPRESSIVE STRENGHT OF CONCRETE CUBES

CUBE SPECIMENS

Dimentions of Specimens: 150x150x150mm

Grade Of concrete: **M10**

For Newzen Consultants Bangalore

Proprietor

Table1.1

Sl No	Location	Date Of Casting	Date Of Testing	Weight Of Cubes	Age in days	Load (KN)	Compressive Strength N/mm2	Average Strength N/mm2
1	Nethagi Park	16-11-22	14-12-22	8.092	28	263.2	11.11	11.70
2		"	"	8.154	"	274.8	11.82	
3		"	"	8.007	"	280.0	12.18	

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NEW TECHNOLOGIES TO INNOVATE

NO: YEL P/PMC/PKC 01/M10 Date: 23/11/2022

Test report on cement Concrete Cubes:

Sub: Testing of concrete cubes (for below said no of days – Compressive Strength)

Name of Work :- Development of Yelahanka Govt Degree collage and Ayurvedic Hospital and Providing Grill Fencing and other developmental works to Rajiv Gandhi park, tree park, Nethaji park, Basaveshwara park, judicial layout park and someshwara hill of Yelahanka Assembly Constituency Under Amrutha Nagarothana Grants PACKAGE No-01

Ref: Material Testing/PMC/22-23.

Report submitted to: Assistant Executive Engineer, Yelahanka Projects Division, BBMP Bangalore.

Name of Agency/ contractor: Sri C Halappa

RESULTS OF COMPRESSIVE STRENGHT OF CONCRETE CUBES

CUBE SPECIMENS

Dimentions of Specimens: 150x150x150mm

Grade Of concrete: **M10**

For Newzen Consultants Bangalore

Proprietor

Table1.1

Sl No	Location	Date Of Casting	Date Of Testing	Weight Of Cubes	Age in days	Load (KN)	Compressive Strength N/mm2	Average Strength N/mm2
1	Nethagi Park	16-11-22	23-11-22	8.005	7	199.6	8.87	9.05
2		"	"	8.121	"	201.3	8.95	
3		"	"	8.064	"	210.0	9.33	

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BBMP, Bangalore - 92

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NEW TECHNOLOGIES TO INNOVATE

NO: YEL-P/PMC/PKG-01/M10 Date: 14/12/2022

Test report on cement Concrete Cubes:

Sub: Testing of concrete cubes (for below said no of days – Compressive Strength)

Name of Work :- Development of Yelahanka Govt Degree collage and Ayurvedic Hospital and Providing Grill Fencing and other developmental works to Rajiv Gandhi park, tree park, Nethaji park, Basaveshwara park, judicial layout park and someshwara hill of Yelahanka Assembly Constituency Under Amrutha Nagarothana Grants PACKAGE No-01

Ref: Material Testing/PMC/22-23.

Report submitted to: Assistant Executive Engineer, Yelahanka Projects Division, BBMP Bangalore.

Name of Agency/ contractor: Sri C Halappa

RESULTS OF COMPRESSIVE STRENGHT OF CONCRETE CUBES

CUBE SPECIMENS

Dimentions of Specimens: 150x150x150mm

Grade Of concrete: **M10**

Table1.1

For Newzen Consultants Bangalore

Proprietor

Sl No	Location	Date Of Casting	Date Of Testing	Weight Of Cubes	Age in days	Load (KN)	Compressive Strength N/mm2	Average Strength N/mm2
1	Nethagi Park	16-11-22	14-12-22	8.192	28	265.8	11.81	12.28
2		"	"	8.112	"	274.0	12.18	
3		"	"	8.167	"	289.0	12.84	

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NEW TECHNOLOGIES TO INNOVATE

NO: YEL-P/PMC/PKG-01/M25 Date: 23/12/2022

Test report on cement Concrete Cubes:

Sub: Testing of concrete cubes (for below said no of days – Compressive Strength)

Name of Work :- Development of Yelahanka Govt Degree collage and Ayurvedic Hospital and Providing Grill Fencing and other developmental works to Rajiv Gandhi park, tree park, Nethaji park, Basaveshwara park, judicial layout park and someshwara hill of Yelahanka Assembly Constituency Under Amrutha Nagarothana Grants PACKAGE No 01

Ref: Material Testing/PMC/22-23.

Report submitted to: Assistant Executive Engineer, Yelahanka Projects Division, BBMP Bangalore.

Name of Agency/ contractor: Sri C Halappa

RESULTS OF COMPRESSIVE STRENGHT OF CONCRETE CUBES

CUBE SPECIMENS

Dimentions of Specimens: 150x150x150mm

Grade Of concrete: **M25**

Table1.1

Sl No	Location	Date Of Casting	Date Of Testing	Weight Of Cubes	Age in days	Load (KN)	Compressive Strength N/mm2	Average Strength N/mm2
1	Kalyani toe wall	16-12-22	23.12.22	8.016	7	402.3	17.88	18.68
2		"	"	8.024	"	426.5	18.96	
3		"	"	8.081	"	432.1	19.20	

For Newzen Consultants Bangalore

Proprietor

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NEW TECHNOLOGIES TO INNOVATE

NO: YEL-P/PMC/PKG-01/M25 Date: 13/01/2023

Test report on cement Concrete Cubes:

Sub: Testing of concrete cubes (for below said no of days – Compressive Strength)

Name of Work :- Development of Yelahanka Govt Degree collage and Ayurvedic Hospital and Providing Grill Fencing and other developmental works to Rajiv Gandhi park, tree park, Nethaji park, Basaveshwara park, judicial layout park and someshwara hill of Yelahanka Assembly Constituency Under Amrutha Nagarothana Grants PACKAGE No-01

Ref: Materiai Testing/PMC/22-23.

Report submitted to: Assistant Executive Engineer, Yelahanka Projects Division, BBMP Bangalore.

Namc of Agcncy/ contractor: Sri C Halappa

RESULTS OF COMPRESSIVE STRENGHT OF CONCRETE CUBES

CUBE SPECIMENS

Dimentions of Specimens: 150x150x150mm

Grade Of concrete: **M25**

Table1.1

Sl No	Location	Date Of Casting	Date Of Testing	Weight Of Cubes	Age in days	Load (KN)	Compressive Strength N/mm2	Average Strength N/mm2
1	Kalyani toe wall	16-12-22	13-01-23	8.196	28	603.3	26.81	27.60
2		"	"	8.027	"	628.9	27.95	
3		"	"	8.012	"	631.4	28.06	

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NEW TECHNOLOGIES TO INNOVATE

NO: YEL P/PMC/PKG 01/M25

Date: 23/12/2022

Test report on cement Concrete Cubes:

Sub: Testing of concrete cubes (for below said no of days – Compressive Strength)

Name of Work :- Development of Yelahanka Govt Degree collage and Ayurvedic Hospital and Providing Grill Fencing and other developmental works to Rajiv Gandhi park, tree park, Nethaji park, Basaveshwara park, judicial layout park and someshwara hill of Yelahanka Assembly Constituency Under Amrutha Nagarothana Grants PACKAGE No-01

Ref: Material Testing/PMC/22-23.

Report submitted to: Assistant Executive Engineer, Yelahanka Projects Division, BBMP Bangalore.

Name of Agency/ contractor: Sri C Halappa

RESULTS OF COMPRESSIVE STRENGHT OF CONCRETE CUBES

CUBE SPECIMENS

Dimentions of Specimens: 150x150x150mm

Grade Of concrete: **M25**

Table1.1

Sl No	Location	Date Of Casting	Date Of Testing	Weight Of Cubes	Age in days	Load (KN)	Compressive Strength N/mm2	Average Strength N/mm2
1	Kalyani toe wall	16-12-22	23.12.22	8.011	7	411.2	18.28	18.90
2		"	"	8.137	"	429.3	19.08	
3		"	"	8.092	"	435.4	19.35	

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NEW TECHNOLOGIES TO INNOVATE

NO: YEL-P/PMC/PKG-01/M25 Date: 13/01/2023

Test report on cement Concrete Cubes:

Sub: Testing of concrete cubes (for below said no of days – Compressive Strength)

Name of Work :- Development of Yelahanka Govt Degree collage and Ayurvedic Hospital and Providing Grill Fencing and other developmental works to Rajiv Gandhi park, tree park, Nethaji park, Basaveshwara park, judicial layout park and someshwara hill of Yelahanka Assembly Constituency Under Amrutha Nagarothana Grants PACKAGE No-01

Ref: Material Testing/PMC/22-23.

Report submitted to: Assistant Executive Engineer, Yelahanka Projects Division, BBMP Bangalore.

Name of Agency/ contractor: Sri C Halappa

RESULTS OF COMPRESSIVE STRENGHT OF CONCRETE CUBES

CUBE SPECIMENS

Dimentions of Specimens: 150x150x150mm

Grade Of concrete: **M25**

Table1.1

Sl No	Location	Date Of Casting	Date Of Testing	Weight Of Cubes	Age in days	Load (KN)	Compressive Strength N/mm2	Average Strength N/mm2
1	Kaiyani toe wall	16-12-22	13-01-23	8.169	28	585.6	26.03	26.35
2		"	"	8.081	"	592.3	26.32	
3		"	"	8.084	"	600.7	26.70	

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NO: YEL-P/PMC/PKG-01/M25 Date: 23/12/2022

Test report on cement Concrete Cubes:

Sub: Testing of concrete cubes (for below said no of days – Compressive Strength)

Name of Work :- Development of Yelahanka Govt Degree collage and Ayurvedic Hospital and Providing Grill Fencing and other developmental works to Rajiv Gandhi park, tree park, Nethaji park, Basaveshwara park, judicial layout park and someshwara hill of Yelahanka Assembly Constituency Under Amrutha Nagarothana Grants PACKAGE No-01

Ref: Material Testing/PMC/22-23.

Report submitted to: Assistant Executive Engineer, Yelahanka Projects Division, BBMP Bangalore.

Name of Agency/ contractor: Sri C Halappa

RESULTS OF COMPRESSIVE STRENGHT OF CONCRETE CUBES

CUBE SPECIMENS

Dimentions of Specimens: 150x150x150mm

Grade Of concrete: **M25**

Table1.1

Sl No	Location	Date Of Casting	Date Of Testing	Weight Of Cubes	Age in days	Load (KN)	Compressive Strength N/mm2	Average Strength N/mm2
1	Kalyani toe wall	16-12-22	23.12.22	8.025	7	405.6	18.03	18.76
2		"	"	8.187	"	428.9	19.06	
3		"	"	8.026	"	432.1	19.20	

Asst. Executive Engineer
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NO: YEL P/PMC/PKG 01/M25 Date: 13/01/2023

Test report on cement Concrete Cubes:

Sub: Testing of concrete cubes (for below said no of days – Compressive Sirength)

Name of Work :- Development of Yelahanka Govt Degree collage and Ayurvedic Hospital and Providing Grill Fencing and other developmental works to Rajiv Gandhi park, tree park, Nethaji park, Basaveshwara park, judicial layout park and someshwara hill of Yelahanka Assembly Constituency Under Amrutha Nagarothana Grants PACKAGE No-01

Ref: Material Testing/PMC/22-23.

Report submitted to: Assistant Executive Engineer, Yelahanka Projects Division, BBMP Bangalore.

Name of Agency/ contractor: Sri C Halappa

RESULTS OF COMPRESSIVE STRENGHT OF CONCRETE CUBES

CUBE SPECIMENS

Dimentions of Specimens: 150x150x150mm

Grade Of concrete: **M25**

Table 1.1

Sl No	Location	Date Of Casting	Date Of Testing	Weight Of Cubes	Age in days	Load (KN)	Compressive Strength N/mm2	Average Strength N/mm2
1	Kalyani toe wall	16-12-22	13-01-23	8.099	28	616.3	27.39	27.75
2		"	"	8.012	"	625.9	27.82	
3		"	"	8.087	"	631.4	28.06	

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NEW TECHNOLOGIES TO INNOVATE

NO: YEL-P/PMC/PKG-01/M25 Date: 25/12/2023

Test report on cement Concrete Cubes:

Sub: Testing of concrete cubes (for below said no of days – Compressive Strength)

Name of Work :- Development of Yelahanka Govt Degree collage and Ayurvedic Hospital and Providing Grill Fencing and other developmental works to Rajiv Gandhi park, tree park, Nethaji park, Basaveshwara park, judicial layout park and someshwara hill of Yelahanka Assembly Constituency Under Amrutha Nagarothana Grants PACKAGE No-01

Ref: Material Testing/PMC/22-23.

Report submitted to: Assistant Executive Engineer, Yelahanka Projects Division, BBMP Bangalore.

Name of Agency/ contractor: Sri C Halappa

RESULTS OF COMPRESSIVE STRENGHT OF CONCRETE CUBES

CUBE SPECIMENS

Dimentions of Specimens: 150x150x150mm

Grade Of concrete: **M25**

Table1.1

Sl No	Location	Date Of Casting	Date Of Testing	Weight Of Cubes	Age in days	Load (KN)	Compressive Strength N/mm2	Average Strength N/mm2
1	Basaveswara statue	18-12-22	25-12-22	8.005	7	412.2	18.32	18.83
2		"	"	8.023	"	423.6	18.83	
3		"	"	8.158	"	435.4	19.35	

Asst. Executive Engineer
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For Newzen Consultants Bangalore

Proprietor

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NO: YEL P/PMC/PKG 01/M25

Date: 15/01/2023

Test report on cement Concrete Cubes:

Sub: Testing of concrete cubes (for below said no of days – Compressive Strength)

Name of Work :- Development of Yelahanka Govt Degree collage and Ayurvedic Hospital and Providing Grill Fencing and other developmental works to Rajiv Gandhi park, tree park, Nethaji park, Basaveshwara park, judicial layout park and someshwara hill of Yelahanka Assembly Constituency Under Amrutha Nagarothana Grants PACKAGE No-01

Ref: Material Testing/PMC/22-23.

Report submitted to: Assistant Executive Engineer, Yelahanka Projects Division, BBMP Bangalore.

Name of Agency/ contractor: Sri C Halappa

RESULTS OF COMPRESSIVE STRENGHT OF CONCRETE CUBES

CUBE SPECIMENS

Dimentions of Specimens: 150x150x150mm
Grade Of concrete: **M25**

Table1.1

Sl No	Location	Date Of Casting	Date Of Testing	Weight Of Cubes	Age in days	Load (KN)	Compressive Strength N/mm2	Average Strength N/mm2
1	Basaveswara statue	18-12-22	15-01-23	8.163	28	592.3	26.32	26.79
2		"	"	8.029	"	600.1	26.67	
3		"	"	8.154	"	615.8	27.37	

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Project Division
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NEW TECHNOLOGIES TO INNOVATE

NO: YEL-P/PMC/PKG-01/M25 Date: 25/12/2023

Test report on cement Concrete Cubes:

Sub: Testing of concrete cubes (for below said no of days – Compressive Strength)

Name of Work :- Development of Yelahanka Govt Degree collage and Ayurvedic Hospital and Providing Grill Fencing and other developmental works to Rajiv Gandhi park, tree park, Nethaji park, Basaveshwara park, judicial layout park and someshwara hill of Yelahanka Assembly Constituency Under Amrutha Nagarothana Grants PACKAGE No-01

Ref: Material Testing/PMC/22-23.

Report submitted to: Assistant Executive Engineer, Yelahanka Projects Division, BBMP Bangalore.

Name of Agency/ contractor: Sri C Halappa

RESULTS OF COMPRESSIVE STRENGHT OF CONCRETE CUBES

CUBE SPECIMENS

Dimentions of Specimens: 150x150x150mm

Grade Of concrete: **M25**

Table1.1

Sl No	Location	Date Of Casting	Date Of Testing	Weight Of Cubes	Age in days	Load (KN)	Compressive Strength N/mm2	Average Strength N/mm2
1	Basaveswara statue	18-12-22	25-12-22	8.052	7	382.6	17.00	17.47
2		"	"	8.147	"	396.4	17.62	
3		"	"	8.063	"	400.5	17.80	

Asst. Executive Engineer
Project Division
Yelahanka Zone
BBMP, Bangalore

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NEW TECHNOLOGIES TO INNOVATE

NO: YEL P/PMC/PKG 01/M25 Date: 15/01/2023

Test report on cement Concrete Cubes:

Sub: Testing of concrete cubes (for below said no of days – Compressive Strength)

Name of Work :- Development of Yelahanka Govt Degree collage and Ayurvedic Hospital and Providing Grill Fencing and other developmental works to Rajiv Gandhi park, tree park, Nethaji park, Basaveshwara park, judicial layout park and someshwara hill of Yelahanka Assembly Constituency Under Amrutha Nagarothana Grants PACKAGE No-01

Ref: Material Testing/PMC/22-23.

Report submitted to: Assistant Executive Engineer, Yelahanka Projects Division, BBMP Bangalore.

Name of Agency/ contractor: Sri C Halappa

RESULTS OF COMPRESSIVE STRENGHT OF CONCRETE CUBES

CUBE SPECIMENS

Dimentions of Specimens: 150x150x150mm

Grade Of concrete: **M25**

Table1.1

Sl No	Location	Date Of Casting	Date Of Testing	Weight Of Cubes	Age in days	Load (KN)	Compressive Strength N/mm2	Average Strength N/mm2
1	Basaveswara statue	18-12-22	15-01-23	8.096	28	613.5	27.27	27.76
2		"	"	8.021	"	626.7	27.85	
3		"	"	8.012	"	633.8	28.17	

Asst. Executive Engineer
Project Division
Yelahanka, Zone

For Newzen Consultants Bangalore

Proprietor

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NEWZEN CONSULTANTS BANGALORE

NEW TECHNOLOGIES TO INNOVATE

NO: YEL-P/PMC/PKG-01/M30

Date: 27/01/2023

Test report on cement Concrete Cubes:

Sub: Testing of concrete cubes (for below said no of days – Compressive Strength)

Name of Work :- Development of Yelahanka Govt Degree collage and Ayurvedic Hospital and Providing Grill Fencing and other developmental works to Rajiv Gandhi park, tree park, Nethaji park, Basaveshwara park, judicial layout park and someshwara hill of Yelahanka Assembly Constituency Under Amrutha Nagarothana Grants PACKAGE No 01

Ref: Material Testing/PMC/22-23.

Report submitted to: Assistant Executive Engineer, Yelahanka Projects Division, BBMP Bangalore.

Name of Agency/ contractor: Sri C Halappa

RESULTS OF COMPRESSIVE STRENGHT OF CONCRETE CUBES

CUBE SPECIMENS

Dimentions of Specimens: 150x150x150mm

Grade Of concrete: **M30**

Table1.1

Sl No	Location	Date Of Casting	Date Of Testing	Weight Of Cubes	Age in days	Load (KN)	Compressive Strength N/mm2	Average Strength N/mm2
1	CC Road	20-01-23	27-01-23	8.165	7	485.3	21.57	22.61
2		"	"	8.024	"	526.3	23.39	
3		"	"	8.138	"	514.7	22.88	

Asst. Executive Engineer
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For Newzen Consultants Bangalore

Proprietor

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NEW TECHNOLOGIES TO INNOVATE

NO: YEL-P/PMC/PKG-01/M30

Date: 17/02/2023

Test report on cement Concrete Cubes:

Sub: Testing of concrete cubes (for below said no of days – Compressive Strength)

Name of Work :- Development of Yelahanka Govt Degree collage and Ayurvedic Hospital and Providing Grill Fencing and other developmental works to Rajiv Gandhi park, tree park, Nethaji park, Basaveshwara park, judicial layout park and someshwara hill of Yelahanka Assembly Constituency Under Amrutha Nagarothana Grants PACKAGE No-01

Ref: Materiai Testing/PMC/22-23.

Report submitted to: Assistant Executive Engineer, Yelahanka Projects Division, BBMP Bangalore.

Name of Agency/ contractor: Sri C Halappa

RESULTS OF COMPRESSIVE STRENGHT OF CONCRETE CUBES

CUBE SPECIMENS

Dimentions of Specimens: 150x150x150mm

Grade Of concrete: **M30**

Table1.1

Sl No	Location	Date Of Casting	Date Of Testing	Weight Of Cubes	Age in days	Load (KN)	Compressive Strength N/mm2	Average Strength N/mm2
1	CC Road	20-01-23	17-02-23	8.174	28	726.3	32.28	32.24
2		"	"	8.174	"	731.5	32.51	
3		"	"	8.174	"	718.6	31.94	

Asst. Executive Engineer
Project Division
Yelahanka Zone
BBMP Bangalore - 92

For Newzen Consultants Bangalore

Proprietor

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NEWZEN CONSULTANTS BANGALORE

NEW TECHNOLOGIES TO INNOVATE

NO: YEL P/PMC/PKG 01/M30

Date: 27/01/2023

Test report on cement Concrete Cubes:

Sub: Testing of concrete cubes (for below said no of days – Compressive Strength)

Name of Work :- Development of Yelahanka Govt Degree collage and Ayurvedic Hospital and Providing Grill Fencing and other developmental works to Rajiv Gandhi park, tree park, Nethaji park, Basaveshwara park, judicial layout park and someshwara hill of Yelahanka Assembly Constituency Under Amrutha Nagarothana Grants PACKAGE No-01

Ref: Material Testing/PMC/22-23.

Report submitted to: Assistant Executive Engineer, Yelahanka Projects Division, BBMP Bangalore.

Name of Agency/ contractor: Sri C Halappa

RESULTS OF COMPRESSIVE STRENGHT OF CONCRETE CUBES

CUBE SPECIMENS

Dimentions of Specimens: 150x150x150mm

Grade Of concrete: **M30**

Table1.1

Sl No	Location	Date Of Casting	Date Of Testing	Weight Of Cubes	Age in days	Load (KN)	Compressive Strength N/mm2	Average Strength N/mm2
1	CC Road	20-01-23	27-01-23	8.125	7	502.3	22.32	22.64
2		"	"	8.063	"	502.3	22.32	
3		"	"	8.164	"	523.8	23.28	

Asst. Executive Engineer
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NEW TECHNOLOGIES TO INNOVATE

NO: YEL-P/PMC/PKG-01/M30

Date: 17/02/2023

Test report on cement Concrete Cubes:

Sub: Testing of concrete cubes (for below said no of days – Compressive Strength)

Name of Work :- Development of Yelahanka Govt Degree collage and Ayurvedic Hospital and Providing Grill Fencing and other developmental works to Rajiv Gandhi park, tree park, Nethaji park, Basaveshwara park, judicial layout park and someshwara hill of Yelahanka Assembly Constituency Under Amrutha Nagarothana Grants PACKAGE No-01

Ref: Material Testing/PMC/22-23.

Report submitted to: Assistant Executive Engineer, Yelahanka Projects Division, BBMP Bangalore.

Name of Agency/ contractor: Sri C Halappa

RESULTS OF COMPRESSIVE STRENGHT OF CONCRETE CUBES

CUBE SPECIMENS

Dimentions of Specimens: 150x150x150mm

Grade Of concrete: **M30**

Table1.1

Sl No	Location	Date Of Casting	Date Of Testing	Weight Of Cubes	Age in days	Load (KN)	Compressive Strength N/mm2	Average Strength N/mm2
1	CC Road	20-01-23	17-02-23	8.164	28	712.3	31.66	32.16
2		"	"	8.021	"	726.3	32.28	
3		"	"	8.187	"	732.5	32.56	

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NO: YEL-P/PMC/PKG-01/M30 Date: 27/01/2023

Test report on cement Concrete Cubes:

Sub: Testing of concrete cubes (for below said no of days – Compressive Strength)

Name of Work :- Development of Yelahanka Govt Degree collage and Ayurvedic Hospital and Providing Grill Fencing and other developmental works to Rajiv Gandhi park, tree park, Nethaji park, Basaveshwara park, judicial layout park and someshwara hill of Yelahanka Assembly Constituency Under Amrutha Nagarothana Grants PACKAGE No-01

Ref: Material Testing/PMC/22-23.

Report submitted to: Assistant Executive Engineer, Yelahanka Projects Division, BBMP Bangalore.

Name of Agency/ contractor: Sri C Halappa

RESULTS OF COMPRESSIVE STRENGHT OF CONCRETE CUBES

CUBE SPECIMENS

Dimentions of Specimens: 150x150x150mm

Grade Of concrete: **M30**

Table1.1

Sl No	Location	Date Of Casting	Date Of Testing	Weigh Of Cubes	Age in days	Load (KN)	Compressive Strength N/mm2	Average Strength N/mm2
1	CC Road	20-01-23	27-01-23	8.169	7	512.3	22.77	23.00
2		"	"	8.124	"	506.3	22.50	
3		"	"	8.127	"	534.1	23.74	

Asst. Executive Engineer
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NEWZEN CONSULTANTS BANGALORE

NEW TECHNOLOGIES TO INNOVATE

NO: YEL P/PMC/PKG 01/M30 Date: 17/02/2023

Test report on cement Concrete Cubes:

Sub: Testing of concrete cubes (for below said no of days – Compressive Strength)

Name of Work :- Development of Yelahanka Govt Degree collage and Ayurvedic Hospital and Providing Grill Fencing and other developmental works to Rajiv Gandhi park, tree park, Nethaji park, Basaveshwara park, judicial layout park and someshwara hill of Yelahanka Assembly Constituency Under Amrutha Nagarothana Grants PACKAGE No-01

Ref: Material Testing/PMC/22-23.

Report submitted to: Assistant Executive Engineer, Yelahanka Projects Division, BBMP Bangalore.

Name of Agency/ contractor: Sri C Halappa

RESULTS OF COMPRESSIVE STRENGHT OF CONCRETE CUBES

CUBE SPECIMENS

Dimentions of Specimens: 150x150x150mm

Grade Of concrete: **M30**

Table1.1

Sl No	Location	Date Of Casting	Date Of Testing	Weight Of Cubes	Age in days	Load (KN)	Compressive Strength N/mm2	Average Strength N/mm2
1	CC Road	20-01-23	17-02-23	8.032	28	712.3	31.66	32.13
2		"	"	8.157	"	725.3	32.24	
3		"	"	8.183	"	731.8	32.52	

Asst. Executive Engineer
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For Newzen Consultants Bangalore

Director

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NO: YEL-P/PMC/PKG-01/M30 Date: 27/01/2023

Test report on cement Concrete Cubes:

Sub: Testing of concrete cubes (for below said no of days – Compressive Strength)

Name of Work :- Development of Yelahanka Govt Degree collage and Ayurvedic Hospital and Providing Grill Fencing and other developmental works to Rajiv Gandhi park, tree park, Nethaji park, Basaveshwara park, judicial layout park and someshwara hill of Yelahanka Assembly Constituency Under Amrutha Nagarothana Grants PACKAGE No-01

Ref: Material Testing/PMC/22-23.

Report submitted to: Assistant Executive Engineer, Yelahanka Projects Division, BBMP Bangalore.

Name of Agency/ contractor: Sri C Halappa

RESULTS OF COMPRESSIVE STRENGHT OF CONCRETE CUBES

CUBE SPECIMENS

Dimentions of Specimens: 150x150x150mm

Grade Of concrete: **M30**

Table1.1

Sl No	Location	Date Of Casting	Date Of Testing	Weight Of Cubes	Age in days	Load (KN)	Compressive Strength N/mm2	Average Strength N/mm2
1	CC Road	20-01-23	27-01-23	8.167	7	501.2	22.28	22.61
2		"	"	8.181	"	526.3	23.39	
3		"	"	8.123	"	498.6	22.16	

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NEW TECHNOLOGIES TO INNOVATE

NO: YEL-P/PMC/PKG-01/M30 Date: 17/02/2023

Test report on cement Concrete Cubes:

Sub: Testing of concrete cubes (for below said no of days – Compressive Strength)

Name of Work :- Development of Yelahanka Govt Degree collage and Ayurvedic Hospital and Providing Grill Fencing and other developmental works to Rajiv Gandhi park, tree park, Nethaji park, Basaveshwara park, judicial layout park and someshwara hill of Yelahanka Assembly Constituency Under Amrutha Nagarothana Grants PACKAGE No-01

Rcf: Material Testing/PMC/22-23.

Report submitted to: Assistant Executive Engineer, Yelahanka Projects Division, BBMP Bangalore.

Name of Agency/ contractor: Sri C Halappa

RESULTS OF COMPRESSIVE STRENGHT OF CONCRETE CUBES

CUBE SPECIMENS

Dimentions of Specimens: 150x150x150mm

Grade Of concrete: **M30**

Table1.1

Sl No	Location	Date Of Casting	Date Of Testing	Weight Of Cubes	Age in days	Load (KN)	Compressive Strength N/mm2	Average Strength N/mm2
1	CC Road	20-01-23	17-02-23	8.199	28	712.6	31.67	32.14
2		"	"	8.167	"	725.3	32.24	
3		"	"	8.021	"	731.8	32.52	

Asst. Executive Engineer
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BBMP, Bangalore - 92

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Proprietor

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NO: YEL-P/PMC/PKG-01/M30 Date: 27/01/2023

Test report on cement Concrete Cubes:

Sub: Testing of concrete cubes (for below said no of days – Compressive Strength)

Name of Work :- Development of Yelahanka Govt Degree collage and Ayurvedic Hospital and Providing Grill Fencing and other developmental works to Rajiv Gandhi park, tree park, Nethaji park, Basaveshwara park, judicial layout park and someshwara hill of Yelahanka Assembly Constituency Under Amrutha Nagarothana Grants PACKAGE No-01

Ref: Material Testing/PMC/22-23.

Report submitted to: Assistant Executive Engineer, Yelahanka Projects Division, BBMP Bangalore.

Name of Agency/ contractor: Sri C Halappa

RESULTS OF COMPRESSIVE STRENGHT OF CONCRETE CUBES

CUBE SPECIMENS

Dimentions of Specimens: 150x150x150mm

Grade Of concrete: **M30**

Table1.1

Sl No	Location	Date Of Casting	Date Of Testing	Weight Of Cubes	Age in days	Load (KN)	Compressive Strength N/mm2	Average Strength N/mm2
1	CC Road	20-01-23	27-01-23	8.169	7	501.2	22.28	23.17
2		"	"	8.187	"	523.6	23.27	
3		"	"	8.097	"	539.6	23.98	

Asst. Executive Engineer
Project Division
Yelahanka Zone
BBMP, Bangalore - 92

For Newzen Consultants Bangalore

Director

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NO: YEL-P/PMC/PKG-01/M30 Date: 17/02/2023

Test report on cement Concrete Cubes:

Sub: Testing of concrete cubes (for below said no of days – Compressive Strength)

Name of Work :- Development of Yelahanka Govt Degree collage and Ayurvedic Hospital and Providing Grill Fencing and other developmental works to Rajiv Gandhi park, tree park, Nethaji park, Basaveshwara park, judicial layout park and someshwara hill of Yelahanka Assembly Constituency Under Amrutha Nagarothana Grants PACKAGE No-01

Ref: Material Testing/PMC/22-23.

Report submitted to: Assistant Executive Engineer, Yelahanka Projects Division, BBMP Bangalore.

Name of Agency/ contractor: Sri C Halappa

RESULTS OF COMPRESSIVE STRENGHT OF CONCRETE CUBES

CUBE SPECIMENS

Dimentions of Specimens: 150x150x150mm

Grade Of concrete: **M30**

Table1.1

Sl No	Location	Date Of Casting	Date Of Testing	Weight Of Cubes	Age in days	Load (KN)	Compressive Strength N/mm2	Average Strength N/mm2
1	CC Road	20-01-23	17-02-23	8.121	28	715.8	31.81	32.31
2		"	"	8.006	"	728.9	32.40	
3		"	"	8.039	"	736.2	32.72	

Asst Executive Engineer
Project Division
Yelahanka Zone
BBMP, Bangalore - 92

For Newzen Consultants Bangalore

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NO: YEL-P/PMC/PKG-1/STEEL RAILINGS Date: 28.11.2022 to 29.11.2022

1. TEST REPORTS ON GRADATION FOR STEEL RAILINGS

Name of Work :- Development of Yelahanka Govt Degree collage and Ayurvedic Hospital and Providing Grill Fencing and other developmental works to Rajiv Gandhi park, tree park, Nethaji park, Basaveshwara park, judicial layout park and someshwara hill of Yelahanka Assembly Constituency Under Amrutha Nagarothana Grants PACKAGE No-01.

Ref: Material Testing/PMC/22-23.

Report submitted to: Assistant Executive Engineer, Yelahanka Projects Division, BBMP Bangalore.

Name of Agency/ contractor: Sri C Halappa

Specimen Size: SS Hollow pipe 50mm Dia

Sl.No	Description	Result
1	Thickness	1.62 mm
2	Inner Diameter	50.05 mm
3	Outer Diameter	51.84 mm
4	Weight / Meter	2.536 Kg

Asst. Executive Engineer
Project Division
Yelahanka Zone
BBMP, Bangalore - 92

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Proprietor

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NEW TECHNOLOGIES TO INNOVATE

NO: YEL-P/PMC/PKG-01/STEEL Date: 09.11.2022

1. Test report on Steel

Name of Work :- Development of Yelahanka Govt Degree collage and Ayurvedic Hospital and Providing Grill Fencing and other developmental works to Rajiv Gandhi park, tree park, Nethaji park, Basaveshwara park, judicial layout park and someshwara hill of Yelahanka Assembly Constituency Under Amrutha Nagarothana Grants PACKAGE No-01.

Ref: Material Testing/PMC/22-23.

Report submitted to: Assistant Executive Engineer, Yelahanka Projects Division, BBMP Bangalore.

Name of Agency/ contractor: Sri C Halappa.

Reference to BIS codes: IS 1786:2008(RA 2013) High Strength Deformed Steel Bars and Wires for Concrete Reinforcement-Specification

S.No	Brand	Nominal size (dia in mm)	Mass per meter (kg/meter)	TENSILE STRENGTH			
				0.20 % proof stress/ yield stress (N/mm^2)	Tensile strength (N/mm^2)	TS/YS ratio	Elongation, percent on gauge length
1	TMT	8	0.396	519	612	1.18	13.5
2	TMT	10	0.618	523	622	1.19	15
3	TMT	12	0.888	535	642	1.20	16.5
4	TMT	16	1.58	545	652	1.20	18
5	TMT	20	2.47	558	666	1.19	20
6	TMT	25	3.85	564	678	1.20	21.5

Asst. Executive Engineer
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BBMP, Bangalore - 92

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